

MYSQL CLONE TABLES

<http://www.tutorialspoint.com/mysql/mysql-clone-tables.htm>

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There may be a situation when you need an exact copy of a table, and CREATE TABLE ... SELECT doesn't suit your purposes because the copy must include the same indexes, default values, and so forth.

You can handle this situation by following steps.

- Use SHOW CREATE TABLE to get a CREATE TABLE statement that specifies the source table's structure, indexes and all.
- Modify the statement to change the table name to that of the clone table and execute the statement. This way you will have exact clone table.
- Optionally, If you need the table contents copied as well, issue an INSERT INTO ... SELECT statement, too.

Example:

Try out following example to create a clone table for **tutorials_tbl**

Step 1:

Get complete structure about table

```
mysql> SHOW CREATE TABLE tutorials_tbl \G;
***** 1. row *****
      Table: tutorials_tbl
Create Table: CREATE TABLE `tutorials_tbl` (
  `tutorial_id` int(11) NOT NULL auto_increment,
  `tutorial_title` varchar(100) NOT NULL default '',
  `tutorial_author` varchar(40) NOT NULL default '',
  `submission_date` date default NULL,
  PRIMARY KEY (`tutorial_id`),
  UNIQUE KEY `AUTHOR_INDEX` (`tutorial_author`)
) TYPE=MyISAM
1 row in set (0.00 sec)

ERROR:
No query specified
```

Step 2:

Rename this table and create another table

```
mysql> CREATE TABLE `clone_tbl` (
-> `tutorial_id` int(11) NOT NULL auto_increment,
-> `tutorial_title` varchar(100) NOT NULL default '',
-> `tutorial_author` varchar(40) NOT NULL default '',
-> `submission_date` date default NULL,
-> PRIMARY KEY (`tutorial_id`),
-> UNIQUE KEY `AUTHOR_INDEX` (`tutorial_author`)
-> ) TYPE=MyISAM;
Query OK, 0 rows affected (1.80 sec)
```

Step 3:

After executing step 2 you will a clone table in your database. If you want to copy data from old table then you can do it by using INSERT INTO... SELECT statement.

```
mysql> INSERT INTO clone_tbl (tutorial_id,  
->                            tutorial_title,  
->                            tutorial_author,  
->                            submission_date)  
-> SELECT tutorial_id,tutorial_title,  
->        tutorial_author,submission_date,  
-> FROM tutorials_tbl;  
Query OK, 3 rows affected (0.07 sec)  
Records: 3  Duplicates: 0  Warnings: 0
```

Finally you will have exact clone table as you wanted to have.